WITH THE FARMERS

By Prof. W. F. MASSEY



W. F. Massey. ing the use of ground phosphate rock and ground limestone, this is a fine article for a good farmer, but a poor one for a poor farmer. In the black prairie soil, where Dr. Hopkins works in Illinois, the soil is well supplied with humus, and in such a soil the humic acids will bring their raw hat does Basic shag contain? Is it terior. phosphate into use readily. But applied to the average old worn Southern wood ashes."

The writer further asks for a reply soils it will be a good while before it comes into use by plant roots. But the farmer who has a clover sod to turn for his corn or who is feeding stock and making manure, can use the pulverized rock economically and with good results. Mixed with the stable manure it will about treble the effibe the best fertilizer, knowing nothing but that you live in Louisa, and are going to sow wheae and onts on corn and spilled the results of the manure, and applied when organic matter is turned under the will soon become available. It avoids he tendency to addity that acid phosphate causes, and will make less limited. As a rule, on red lands

And also, where ground limestone and also, where ground ilmestone can be had at the kilns for \$1 a ton, as it can in Virginia, I had rather use this than burnt lime, using it in double the amount I would use the burnt the corn and shock it, and then disk the land fine as possible, but do not replow deeply that late in the season.

Cowpeas for Manure and Hay.

"I have nine acres in cowpeas and

mixing a complete fertilizer of certain percentages, all you need to know is the amount of the plant food

Miline a Portillior.

In mixing a complete forrilline of the mixing and the power of the amount of the plant of the complete for given manner, and the complete for the complete for his and the complete for the complete for his and the complete for his a ton. This strength when the pean under when fully mature and the pean that the pean under when fully mature and the pean that the pean under when fully mature and the pean that the pean under when fully mature and the pean that the pean

and the freight should not run these up plies.

anywhere near the prices named. As I have told the first inquirer, I know nothing about the marl, but what they Some of the best of 92 per cent of time carbonate is authorities, like Dr. correct, the marl will be the cheapest correct, the marl will be the cheapest for him under the conditions named. But as he has to haul it five miles, the matter of hauling either the marl or the ground rock in double the amount of burnt lime will count. I would ather than acid chosphate. As I told or. Hopkins last u m m e r at the carmers' Convention in Raleigh,

ton in Rateigh, signs his letter "Reader." I will reply, where he was urging the use of take no notice of letters without the

the tendency to acidity that acid phosphate causes, and will make less liming necessary. Several years ago at the Pennsylvania State Farmer's Institute at Allentown. I met a farmer from Eastern Pennsylvania, who asked mewhat I thought of the Tennessee pulverized phosphate rock. I told him that if it was properly used it was valuable. He said that he and two of his neighbors had been using it for several years, at a cost of \$7.50 per ton delivered at their station.

He said they were the only farmers have the said that we can use 100 pounds of acid. The myou can use 100 pounds of acid. The government weekly weather report was distinctly unfavorable, indicating the continuance of a widespread at their station. neighbors had been using it for several years, at a cost of \$7.50 per ton delivered at their station.

He said they were the only farmers in that neighborhood who were getting good crops of red clover, as all around them the soil had gotten so acid that clover refused to thrive where the farmers had been depending on acid phosphate continually.

As I have said, the farmer who farms right does not need to buy nitrogen, and in the best wheat soils in the whole country, there is usually an abundant store of potash, it comes to the point where the farmer is really only concerned in the getting of phosp bruss, and in what combination he shall get this is, the question of vital importance to him. As a rule, I would prefer to use the Thomas phosphate because of the lims it carries, and it takes good farming with plenty of Jumus-making material and occaping tendency to keep the soil sweet. But there is no doubt that where the put verizedd phosphate rock can be hadform \$1 \times 10 \times 20 \times 10 \times 1 muriate of potash to make a ton, and of this use 300 pounds an acre. Cut

> to plow under for green manure, and cut the remainder for hay. At what time should I plow under the peas and when should they be cut for hay? The

Numerous Declines Scored, and to Bulls.

BY BROADAN WALL.

New York, September 3 .- To-day's stock market developed weakness with the opening, and never recovered a firm tone throughout the session. Numerous declines were scored, some of them violent, and altogether the day was a disappointment to the bulls.

Amalgamated Copper opened a full point below the previous day's close, and distinct pressure in New York Central, New Haven and Reading featured

Some disappointment was felt when cific shareholders. It is understood the

900. Foreign markets were irregular

the corn and shock it, and then disk the land fine as possible, but do not replow deeply that late in the season.

Cowpeas for Manure and Hay.

"I have nine acres in cowpeas and soy beans. Four of these acres I wish corn 3-4 cent. These markets were very strong. Cotton advanced over forty points, wheat went up 1 1-2 cents and corn 3-4 cent. These markets were

active and speculative interest was distracted from the stock market.

Bonds continued strong, with a good demand for high-grade investments, and it is the opinion of bond brokers that this improvement will continue.

Banks have lost since Friday nearly

can buy from dealers in farm sup-plies.

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